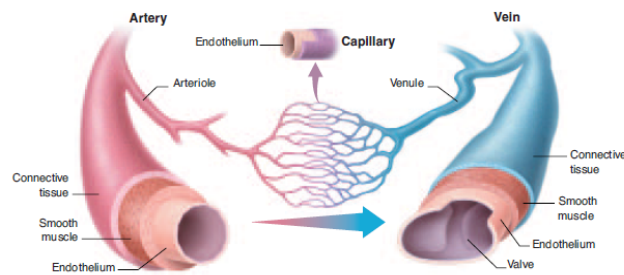
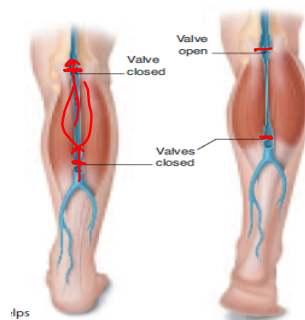


Arteries, Veins and Capillaries



Differences between arteries and veins

1. arteries take blood away from the heart
veins bring blood back to the heart
2. arteries carry oxygenated blood
veins carry deoxygenated blood
3. arteries do not have valves
veins have valves



4. arteries have thicker walls to withstand greater blood pressure (elastic connective tissue)
5. veins move blood by being squeezed by skeletal muscles

* Why are pulmonary arteries and veins different from all other arteries and veins?

Capillaries

only site of gas and nutrient exchange

only 1 cell thick